Index of Claims



Application/Control No.

09/853,170

Examiner

Dan Kesack

Applicant(s)/Patent under Reexamination

NAKAMURA ET AL.

Art Unit

3691

√ Rejected= Allowed

\_ (Through numeral) Cancelled

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Restricted

Non-Elected

I Interference

A Appeal

O Objected

|              |  |                                       |          |          |          |              |              |  |          | _        |
|--------------|--|---------------------------------------|----------|----------|----------|--------------|--------------|--|----------|----------|
| Cla          | im   | L_                                    |          |          |          | Date         | 2            |  |          |          |
| Final        | Original   | < < < < < < < < < < < < < < < < < < < |          |          |          |              |              |  |          |          |
|              | 1  | 1                                     |          |          |          |              |              |  |          | П        |
|              | 2  | 1                                     |          |          |          |              |              |  |          |          |
|              | 3  | 1                                     |          |          |          |              |              |  |          |          |
|              | 4  | 1                                     |          |          |          |              |              |  |          |          |
|              | 5  | 1                                     |          |          |          |              |              |  |          |          |
|              | 6  | 1                                     |          |          |          |              |              |  |          |          |
|              | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8   | 7                                     |          |          |          |              |              |  |          |          |
|              | 8  | 1                                     |          |          |          |              |              |  |          |          |
|              | 9  | ٧                                     |          | Ŀ        |          |              |              |  |          | Ш        |
|              | 10   | 1                                     |          | _        |          | _            | Ц            |  |          |          |
|              | 11   | ٧                                     |          |          |          | <u> </u>     | Ш            |  |          |          |
|              | 12   | 1                                     |          |          | _        | L            | _            | _  |          | Ш        |
|              | 13   | Ÿ                                     |          |          |          | L            |              | _  |          | Н        |
|              | 14   | Ÿ                                     |          | _        |          | -            |              |  | _        | Н        |
| ļ            | 15   | ٧,                                    |          |          |          | L            |              |  |          | Н        |
|              | 16   | V                                     | -        |          | _        | $\vdash$     | _            | -  | _        | Н        |
| <u> </u>     | 17   | . J                                   | _        | -        |          | -            |              |  | _        | Н        |
|              | 10   | 1                                     |          |          |          | -            |              |  |          | H        |
| <u> </u>     | 20   | v                                     |          |          |          | -            |              | -  | -        | Н        |
| ├            | 21   | H                                     |          | _        | -        | -            | -            | $\vdash$   |          | Н        |
| <u> </u>     | 22   | ┝                                     |          | _        | ┝        | ┝            | ┢            | -  | -        | Н        |
|              | 23   | $\vdash$                              | $\vdash$ | $\vdash$ | $\vdash$ | ├─           | ┢            | H  | _        | Н        |
| <del></del>  | 24   | $\vdash$                              | H        | -        | _        | -            | -            | $\vdash$   |          | Н        |
|              | 25   |                                       |          | $\vdash$ |          | $\vdash$     | $\vdash$     | $\vdash$   | _        |          |
|              | 26   | Ι-                                    | П        | П        |          |              | _            |  |          | П        |
|              | 10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30<br>31<br>32<br>33 |                                       |          |          |          |              |              |  |          | П        |
|              | 28   | $\vdash$                              |          |          |          | Г            | Г            |  |          | П        |
|              | 29   |                                       |          |          |          |              |              |  |          |          |
|              | 30   |                                       |          |          |          |              |              |  |          |          |
|              | 31   |                                       |          |          |          | L            | <u> </u>     | L  |          |          |
|              | 32   |                                       |          | <u></u>  |          | L            |              |  |          | Ш        |
|              | 33   |                                       |          |          |          | <u> </u>     | L_           | <u> </u>   |          | Ш        |
|              | 34<br>35   | _                                     | _        | _        |          | _            | $oxed{oxed}$ | _  | _        | Ш        |
|              | 35   | _                                     |          |          |          | <u> </u>     | _            | <u> </u>   | _        |          |
|              | 36   |                                       | $\vdash$ | _        |          | <u> </u>     | ├—           | -  | _        | Ш        |
|              | 37<br>38   | _                                     |          |          | H        | -            |              | ┝╌   |          | Н        |
|              | 39   |                                       |          |          |          | <del> </del> |              | -  |          | H        |
|              | 40   | -                                     | -        | Н        | $\vdash$ | $\vdash$     |              | -  | -        | Н        |
| <del> </del> | 41   | -                                     | -        | Н        | H        | $\vdash$     | $\vdash$     | -  | -        | $\vdash$ |
|              | 42   | $\vdash$                              | ┝        | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$     | $\vdash$   |          | -        |
|              | 43   | $\vdash$                              |          | -        | $\vdash$ | $\vdash$     | -            | <del>                                     </del> | -        |          |
|              | 44   | Н                                     | -        |          | Н        | $\vdash$     | H            | H  | _        | Н        |
|              | 45   |                                       |          |          | $\vdash$ | $\vdash$     | $\vdash$     |  | $\vdash$ |          |
|              | 46   |                                       |          |          |          |              |              |  | Г        | П        |
|              | 47   |                                       |          |          |          | Γ            |              | Г  |          | П        |
|              | 48   |                                       |          |          | L        |              |              |  |          |          |
|              | 49   |                                       |          |          |          |              |              |  |          |          |
|              | 50   | Γ                                     |          |          |          |              |              |  | Π        | П        |

| Claim       |  | Date   |              |                    |          |              |          |          |                    |          |  |
|-------------|--|--|--------------|--------------------|----------|--------------|----------|----------|--------------------|----------|--|
|             |  |  |              |                    |          |              |          |          |                    |          |  |
| <u>a</u>    | Original                                     |  |              |                    |          |              |          |          |                    |          |  |
| Final       | Ē  |  |              |                    |          |              |          |          |                    |          |  |
| -           | 0  |  |              |                    |          |              |          |          |                    |          |  |
|             | 51   |  | H            |                    |          |              |          | _        |                    | _        |  |
| $\vdash$    | 52   | _  | $\vdash$     | -                  |          |              |          |          |                    |          |  |
|             | 51<br>52<br>53<br>54<br>55<br>56             | _  | $\vdash$     |                    | _        |              |          | -        |                    |          |  |
|             | 54   | ⊢  | ├            | H                  | _        |              | _        | _        |                    | _        |  |
|             | 55   | _  | ⊢            | $\vdash$           | _        | -            | -        |          |                    |          |  |
|             | 50   | $\vdash$   | L            | $\vdash$           |          |              |          |          |                    |          |  |
|             | 20   | <u> </u>   | $\vdash$     | H                  |          | H            | _        |          | _                  | _        |  |
| ļ           | 57   | _  |              | H                  |          |              | _        |          | _                  |          |  |
| ļ           | 58<br>59                                     |  | _            | _                  |          |              |          |          |                    | _        |  |
|             | 59   | _  | <u> </u>     | _                  |          |              | _        |          | $\Box$             | _        |  |
| L           | 60   |  | _            |                    |          |              |          |          | Ш                  |          |  |
|             | 61   |  |              |                    |          |              |          |          |                    |          |  |
| <u></u>     | 61<br>62<br>63                               | <u> </u>   | L_           | L                  |          |              | L_       |          | L                  |          |  |
| L           | 63   |  |              | <u> </u>           |          | L            |          |          |                    |          |  |
|             | 64   |  | L            |                    |          |              |          |          |                    |          |  |
|             | 65   |  |              |                    |          |              |          |          |                    |          |  |
|             | 64<br>65<br>66<br>67                         |  |              |                    |          |              |          |          |                    |          |  |
|             | 67   |  |              |                    |          |              |          |          |                    |          |  |
|             | 68   |  |              |                    |          |              |          |          |                    |          |  |
|             | 68<br>69<br>70<br>71                         |  |              |                    |          |              |          |          |                    |          |  |
|             | 70   |  |              |                    |          |              |          |          |                    |          |  |
|             | 71   |  |              | I                  |          | Г            |          |          |                    |          |  |
|             | 72   | ┢  | -            | ┢                  |          | -            |          |          |                    |          |  |
| $\vdash$    | 73   |  |              |                    |          |              |          |          |                    |          |  |
| $\vdash$    | 72<br>73<br>74<br>75<br>76<br>77<br>78<br>79 | $\vdash$   | ┢            | ┢                  |          | H            | -        |          | -                  | $\vdash$ |  |
| <b></b>     | 75   | $\vdash$   | $\vdash$     | $\vdash$           |          | ┢            |          |          |                    | -        |  |
| <b>—</b>    | 76   | ├─   | ├─           | $\vdash$           | _        | <del> </del> |          |          |                    | -        |  |
|             | 77   | $\vdash$   | -            | ┢                  | -        | -            |          |          |                    | $\vdash$ |  |
|             | 79   | ┢  | ┢╌           | -                  |          | ┢            | -        | $\vdash$ |                    | $\vdash$ |  |
|             | 70   | -  |              | -                  |          | $\vdash$     | -        |          | -                  | -        |  |
|             | 90   | <del> </del>   |              | $\vdash$           | -        |              |          | H        | -                  | -        |  |
| -           | 80<br>81<br>82                               | ┝  | ├            | ├-                 | _        | -            | -        | -        |                    | -        |  |
| <del></del> | 01   | _  | $\vdash$     |                    |          | -            | -        | -        | -                  | -        |  |
|             | 82   | -  | _            | _                  | <u> </u> | _            | $\vdash$ | H        | ⊢                  | <u> </u> |  |
|             | 83   | <u> </u>   | $\vdash$     | <b> </b>           | <u> </u> | ├-           | -        | <u> </u> | <u> </u>           | <u> </u> |  |
| <u> </u>    | 84<br>85                                     |  | <del> </del> | <del> </del>       | -        |              | -        | <u> </u> | <u> </u>           | <u> </u> |  |
| <u> </u>    | 85   | <u> </u>   | <del> </del> | ⊢                  | <u> </u> |              | <u> </u> | <u> </u> | <u> </u>           | <u> </u> |  |
| <u> </u>    | 86   | <u> </u>   | <u> </u>     | <u> </u>           | <u> </u> | L            | —        | <u> </u> | <u> </u>           | <u> </u> |  |
|             | 87   |  | <u> </u>     | <u> </u>           | <u> </u> | _            | <u> </u> | <u> </u> | <u> </u>           | <u> </u> |  |
| <u> </u>    | 88   | L  | <u> </u>     |                    | L_       | <u> </u>     | <u> </u> | <u> </u> | <u> </u>           | <u> </u> |  |
|             | 89   | L  | <u> </u>     | L_                 |          | _            |          | L        | <u> </u>           | L_       |  |
| <u> </u>    | 90   | _  |              | L                  | _        | _            | <u> </u> | L_       | <u> </u>           | L.       |  |
| ļ           | 91   |  | <u>L</u>     | $\vdash$           | <u> </u> | <u> </u>     | _        | <u> </u> | <u> </u>           | <u> </u> |  |
|             | 92   |  |              |                    | <u> </u> | L_           | 匚        |          | <u> </u>           | L        |  |
|             | 93   | $ldsymbol{ld}}}}}}$ |              | <u></u>            | L        | <u> </u>     | <u>_</u> |          | L.                 | L.       |  |
|             | 94   | <u> </u>   |              | $oxedsymbol{oxed}$ | _        | <u> </u>     | <u> </u> |          |                    |          |  |
|             | 95   |  |              |                    |          | L            |          |          | $oxedsymbol{oxed}$ |          |  |
|             | 96   |  |              | L                  |          | L            |          | L        |                    |          |  |
| •           | 97   |  |              | L                  |          | L            |          |          |                    |          |  |
|             | 98   |  |              |                    |          |              |          |          |                    |          |  |
|             | 99   |  |              |                    |          |              |          | L        | L                  | L        |  |
|             | 100  |  |              | L                  | $\Box$   |              |          |          |                    |          |  |
|             |  |  |              |                    |          |              |          |          |                    |          |  |

| Claim    |            | Date         |  |  |  |              |  |  |          |  |
|----------|------------|--------------|--|--|--|--------------|--|--|----------|--|
|          |            |              |  |  |  |              |  |  |          |  |
| <u></u>  | Original   |              |  |  |  |              |  |  |          |  |
| Final    | <u>:</u>   |              |  |  |  |              |  |  |          |  |
| "        | ŏ          |              |  |  |  |              |  |  |          |  |
|          |            | L            |  |  | L  | $oxed{oxed}$ |  |  |          |  |
|          | 101        |              |  |  |  |              |  |  |          |  |
|          | 102        |              |  |  |  |              |  |  |          |  |
| 1        | 103        | _            |  |  | $\vdash$   | Н            |  |  |          | -  |
| -        | 104        | $\vdash$     | -  | -  | $\vdash$   | $\vdash$     | -  | -  | -        |  |
|          | 104        | $\vdash$     | _  |  |  |              | _  |  |          |  |
| L        | 105        | L            |  | _  | L  |              |  |  |          |  |
|          | 106        |              |  |  |  |              |  |  |          |  |
|          | 107        |              |  |  |  |              |  |  |          |  |
|          | 108        |              |  |  |  |              |  |  |          |  |
|          | 109        | $\vdash$     | _  | -  | $\vdash$   | ┢            | _  | _  | _        |  |
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| <u> </u> | 110        | _            | _  | <u> </u>   | <u> </u>   | $\vdash$     |  | _  | _        | _  |
|          | 111        | $oxed{oxed}$ | Ш  | <u> </u>   | _  | ᆫ            | Ш  |  |          | <u> </u>   |
| l        | 112        |              |  |  |  |              |  | L  |          |  |
|          | 113        |              |  |  |  |              |  |  |          |  |
|          | 114        |              |  |  |  |              | Г  |  | П        |  |
|          | 115        |              | $\vdash$   | $\vdash$   | $\vdash$   |              | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$   |
|          | 115        | $\vdash$     | $\vdash$   | $\vdash$   | -  | $\vdash$     | $\vdash$   | $\vdash$   | -        | <del> </del>                                     |
| <u></u>  | 116        | <u> </u>     | <u> </u>   | <u> </u>   | L_   | $\vdash$     | <u> </u>   | <u> </u>   |          | <u> </u>   |
| L        | 117        |              |  |  |  |              | L  | _  |          |  |
|          | 118        |              |  |  |  |              |  |  |          |  |
|          | 119        |              |  |  |  | <u> </u>     |  | Г  | Γ        |  |
| <b>—</b> | 120        |              | _  | _  | <del> </del>                                     |              |  | $\vdash$   | $\vdash$ |  |
| <b></b>  | 121        | ┢            |  | ⊢  |  | -            | -  | $\vdash$   | ┢        | $\vdash$   |
| <u> </u> | 121        | <u> </u>     |  | _  |  |              | -  | _  | <u> </u> | ┡  |
|          | 122<br>123 | _            | _  | <u> </u>   | <u> </u>   | <u> </u>     | _  | _  | $\vdash$ | <u> </u>   |
|          | 123        |              |  | <u> </u>   |  |              |  |  |          |  |
|          | 124        | i            |  |  |  |              |  |  |          |  |
|          | 125        |              |  |  |  |              |  |  |          |  |
|          | 126        |              |  |  |  |              |  |  | _        | _  |
|          | 127        | $\vdash$     |  | $\vdash$   |  | ⊢            | -  | -  |          | -  |
|          | 127<br>128 |              |  | ⊢  | <u> </u>   | ⊢            |  | -  | ├        | <del> </del>                                     |
|          | 128        |              |  | <u> </u>   | <u> </u>   | <u> </u>     |  | _  | _        | _  |
|          | 129        | L            | L  |  |  |              |  |  |          |  |
|          | 130        | 1            |  |  | İ  |              |  |  |          |  |
|          | 130<br>131 |              | Г  |  |  | Г            |  |  |          |  |
|          | 132        | Ь            | _  | -  | -  |              |  |  |          |  |
|          | 132        | -            | <del>                                     </del> | <del> </del>                                     | <del>                                     </del> | $\vdash$     | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$   |
|          | 133<br>134 |              | <del> </del> —                                   | -  | -  | $\vdash$     | -  | -  | -        | ├-   |
| <u> </u> | 134        | <u> </u>     | ⊢  | <u> </u>   | _  | <u> </u>     | <u> </u>   | <u> </u>   |          | <u> </u>   |
| 1        | 135        | _            | $oxed{oxed}$                                     |  | <u>L</u>   | L            | <u></u>  |  | <u> </u> |  |
|          | 136        | L            | L  | L  | L  | L            | L  | L  | L        | L  |
|          | 137        |              |  |  | Γ  |              | Γ  | Ī  |          |  |
|          | 138        |              | · ·  |  |  |              |  |  | T        |  |
| $\vdash$ | 139        | $\vdash$     | Н  | <del>                                     </del> | $\vdash$   | $\vdash$     |  | $\vdash$   | $\vdash$ | $\vdash$   |
| <u> </u> |            | $\vdash$     | -  | H  | $\vdash$   | $\vdash$     | -  | ├-   | ├-       | $\vdash$   |
| <u> </u> | 140        | <u> </u>     | <u> </u>   | <b> </b>   | <u> </u>   | <u> </u>     | <b> </b>   | $\vdash$   | -        | <del> </del>                                     |
| L        | 141        | Ц.           | L_   |  | _  | <u></u>      | <u> </u>   | _  | <u> </u> | <u> </u>   |
|          | 142        | L            | L  | $L^{T}$  | L  | L            | L  |  | L        | L  |
|          | 143        |              |  |  |  |              |  |  |          |  |
|          | 144        | T            | Т  | <del>                                     </del> |  | $\vdash$     | Г  |  | Г        |  |
|          | 145        | <del> </del> | $\vdash$   | $\vdash$   | <del>                                     </del> | +-           | <del> </del>                                     | $\vdash$   | -        | <del>                                     </del> |
|          |            | ₩            | <u> </u>   | $\vdash$   | -  | ⊢            | -  | <del>                                     </del> | -        | <del>  -</del>                                   |
| <u> </u> | 146        |              | <u> </u>   | <u> </u>   | L  | L_           | <b>L</b>   | $\vdash$   | <u> </u> | <u> </u>   |
|          | 147        |              | L  |  | L  | L            | L  | L  |          | L  |
|          | 148        |              |  | _  |  | Π            | Γ  | Γ  |          |  |
|          | 149        | Г            | T  |  | ⇈  | 1            |  | Г  | Γ        |  |
|          | 150        | $\vdash$     | $\vdash$   | -  | <del>                                     </del> | H            | <del>                                     </del> | $\vdash$   | Ι        | $\vdash$   |
| Ь        | 130        | Ц.           | Ц.   |  | Ц.   | L_           | L_   | Ц_   | Ц.       |  |